

In-Delta Storage Program
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Feasibility Study Overview

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Presentation Outline

- Project Need
- Project Description
- Issues Identified During Planning Studies
- Feasibility Study Charge
- Summary of Completed Investigations

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Project Need

- CALFED established the need to meet each of the Bay-Delta Program's four objectives for water supply reliability, water quality, ecosystem restoration, and levee system integrity through a wide array of CALFED programs to provide for:
 - Water Supply and Operational Flexibility Needs
 - Water Quality Needs
 - Ecosystem Needs for wildlife and aquatic habitat improvements
 - Protection of Delta Levees and reduced flood damage
 - Increase in Delta recreation.

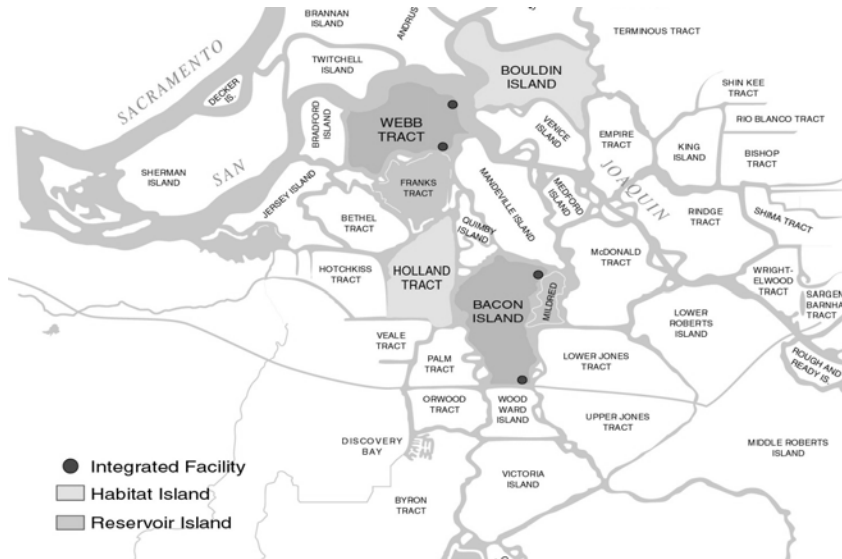
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Project Description

- 217,000 acre-feet of storage capacity in the south Delta on Webb Tract and Bacon Island.
- Develop habitat at Holland Tract and Bouldin Island to offset habitat loss at the storage islands and, to the extent possible, add habitat values to the Delta environment.
- New embankment design, consolidated inlet and outlet structures, new project operations and revised Habitat Management Plans.

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Project Location Map



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Issues

- Engineering feasibility and risk of failure
- Project cost
- Revised project operations that address drinking water quality concerns, especially organic carbon
- Potential project benefits and effects

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Feasibility Study Charge

- Provide technical and economic information concerning whether the project can be implemented with an acceptable level of risk.
- Provide water supply reliability and ecosystem restoration benefits at a reasonable cost.
- The criteria to be used for State feasibility level determination included:
 - No major changes or surprises in the project design and costs as the project moves into final design, construction, and operation; and
 - No possibility of fatal flaws in the project that would jeopardize the project implementation.

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Summary of Completed Investigations

- Engineering design, cost estimation and risk analyses
- Operations for water supply, water quality and environmental needs
- Potential impacts, mitigation and improvements
- Economic analyses

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